

Dominion Supplemental Projects

Transmission Expansion Advisory
Committee
December 08, 2025

Needs

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0083

Process Stage: Need Meeting 12/08/2025

Project Driver: Customer Service

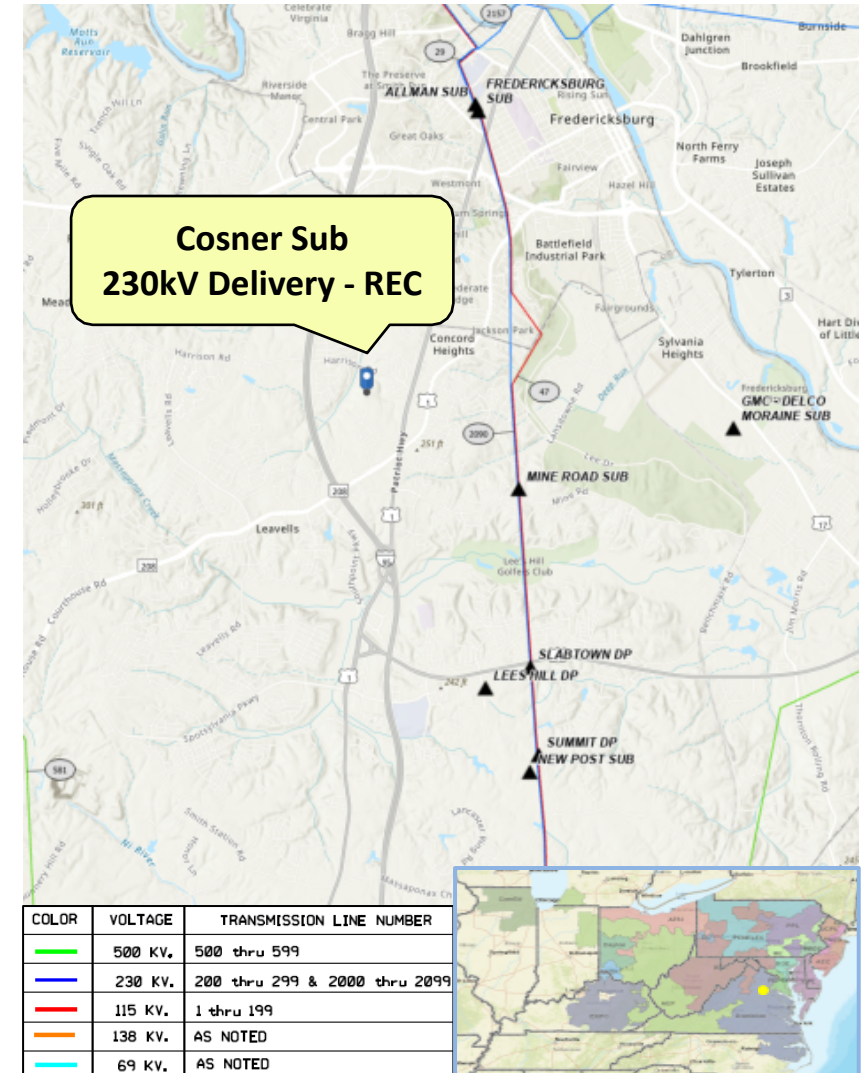
Specific Assumption References:

Customer load request will be evaluated per Dominion's Facility Interconnection Requirements Document and Dominion's Transmission Planning Criteria.

Problem Statement:

Rappahannock Electric Cooperative (REC) has submitted a DP Request for a new substation (Cosner) to serve a data center in Spotsylvania County, VA with a total expected capacity of 300 MW.

Expected in-service date is 12/01/2027.



Solutions

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2025-0011

Process Stage: Solution Meeting 12/08/2025

Previously Presented: Need Meeting 11/04/2025

Project Driver: Customer Service

Specific Assumption References:

Customer load request will be evaluated per Dominion's Facility Interconnection Requirements Document and Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request for a new substation (Hibie St) to serve customer load in Norfolk, VA south of the Elizabeth River. Two distribution circuits from Reeves Ave cross underneath the Elizabeth River. DEV Distribution reports that one circuit has reached end of life with significant loss of ampacity and replacing it would involve high costs and pose considerable environmental risks. These two distribution circuits will be retired and existing customer load picked up by the new substation.

The requested in-service date is 12/31/2027.

Initial In-Service Load (TX#1)	10-year Projected Load
Summer: 23.0 MW Winter: 26.9 MW	Summer: 25.5 MW Winter: 29.8 MW



Dominion Transmission Zone: Supplemental Hibie St - New 230 kV Delivery - DEV

Need Number: DOM-2025-0011

Process Stage: Solution Meeting 12/08/2025

Previously Presented: Need Meeting 11/04/2025

Project Driver: Customer Service

Proposed Solution:

- Construct new 230 kV substation Hibie St with an installed 84 MVA 230/24.5 kV TX and standard high-side protection (MOAB, circuit switcher, wave trap)
- Tap Line #279 Reeves Ave <> Thrasher between structures 279/86 and 279/87 to extend a single circuit 230 kV source to the site.

Estimated Project Cost: \$3.56M (Substation only)

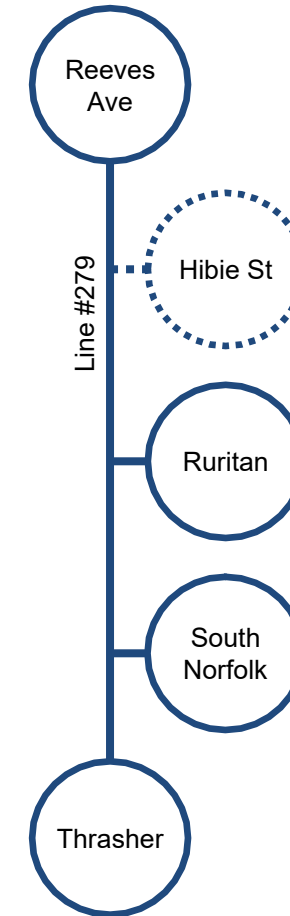
Alternatives Considered:

- No feasible alternatives.
- Hibie St is connecting adjacent to the ROW corridor from the side of 230 kV Line #279

Projected In-Service Date: 12/31/2027

Project Status: Engineering

Model: 2030 RTEP



Appendix

High level M-3 Meeting Schedule

Assumptions

Activity	Timing
Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
Stakeholder comments	10 days after Assumptions Meeting

Needs

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

Solutions

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

Submission of Supplemental Projects & Local Plan

Activity	Timing
Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Post selected solution(s)	Following completion of DNH analysis
Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

11/26/2025 – V1 – Original version posted to pjm.com